



PTO/SB/08A (10-01)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 4

Complete if Known

Application Number	10/698,318
Filing Date	10/31/2003
First Named Inventor	Jon Irvin Stuckey
Art Unit	2856
Examiner Name	
Attorney Docket	P02073US2A

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
RLG	1	US-1,956,011	04-24-1934	R.D. Evans	
	2	US-2,124,821	03-30-1936	G. Hubach	
	3	US-2,808,867	10-08-1957	F.E. Buddenhagen et al.	
	4	US-2,878,852	03-24-1959	S. Lippmann et al.	
	5	US-3,023,798	03-06-1962	C.O. Moore et al.	
	6	US-3,861,436	01-21-1975	Poque	
	7	US-3,926,238	12-16-1975	Vorih	
	8	US-3,951,191	04-20-1976	Suzuki et al.	
	9	US-3,998,256	12-21-1976	Verdier	
	10	US-4,178,199	12-11-1979	Lippman et al.	
	11	US-4,327,792	05-04-1982	Landers	
	12	US-4,442,499	04-10-1984	Sekula et al.	
	13	US-4,474,223	10-02-1984	Landers	
	14	US-4,503,898	03-12-1985	Hitzky	
	15	US-4,721,141	01-26-1988	Collette et al.	
	16	US-4,784,200	11-15-1988	Fujiwara	
	17	US-4,785,861	11-22-1988	Fujiwara	
	18	US-4,785,862	11-22-1988	Konishi et al.	
	19	US-4,788,651	11-29-1988	Parker et al.	
	20	US-4,798,236	01-17-1989	Fujiwara	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ⁴ -Number ⁵ -Kind Code ⁶ (if known)				

Examiner Signature

R. G. G. G.

Date Considered

2/6/2007

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**INFORMATION DISCLOSURE
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Sheet **2** of **4****Complete if Known**

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JG	21	US-4,823,853	04-25-1989	Hitzky	
	22	US-4,936,364	06-26-1990	Kajiware et al.	
	23	US-5,027,875	07-02-1991	Kogure	
	24	US-5,062,461	11-05-1991	Noguchi	
	25	US-5,125,444	06-30-1992	Yoshida	
	26	US-5,209,793	05-11-1993	Cusimano, II	
	27	US-5,223,059	06-29-1993	Himuro	
	28	US-5,223,065	06-29-1993	Kogure	
	29	US-5,240,053	08-31-1993	Baumhofer et al.	
	30	US-5,240,054	08-31-1993	Kogure	
	31	US-5,269,357	12-14-1993	Killian	
	32	US-5,295,087	03-15-1994	Yoshida et al.	
	33	US-5,314,551	05-24-1994	Williams	
	34	US-5,327,952	07-12-1994	Glover et al.	
	35	US-5,353,855	10-11-1994	Kajiware et al.	
	36	US-5,358,022	10-25-1994	Glover et al.	
	37	US-5,363,895	11-15-1994	Wells et al.	
	38	US-5,365,987	11-22-1994	Ishii et al.	
	39	US-5,371,685	12-06-1994	Bandel et al.	
	40	US-5,373,882	12-20-1994	Nakagawa	

FOREIGN PATENT DOCUMENTS

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Examiner Signature

J. G. Stuckey

Date Considered

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STATEMENT BY APPLICANT**

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Sheet **3** of **4****Complete if Known**

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Filing Date	10/31/2003
First Named Inventor	Jon Irvin Stuckey
Art Unit	2856
Examiner Name	
Attorney Docket	P02073US2A

U.S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
EG	41	US-5,383,506	01-24-1995	Kogure	
	42	US-5,617,341	04-01-1997	Nakajima	
	43	US-5,658,409	08-19-1997	Kakumu	
	44	US-5,690,760	11-25-1997	Brown, Jr.	
	45	US-5,714,021	02-03-1998	Ochi	
	46	US-5,717,613	02-10-1998	Nakajima	
	47	US-5,733,393	03-31-1998	Hubbell et al.	
	48	US-5,743,974	04-28-1998	Wesolowski	
	49	US-5,753,057	05-19-1998	Wesolowski	
	50	US-5,759,310	06-02-1998	Wesolowski	
	51	US-5,759,312	06-02-1998	Wesolowski	
	52	US-5,865,921	02-02-1999	Zakelj et al.	
	53	US-5,974,872	11-02-1999	Morishita et al.	
	54	US-5,996,660	12-07-1999	Kakumu et al.	
	55	US-6,109,318	08-29-2000	Yukawa	
	56	US-6,112,167	08-29-2000	Zakelj	
	57	US-6,161,431	12-19-2000	Drahne et al.	
	58	US-6,216,757	04-17-2001	Ohara et al.	
	59	US-6,321,180	11-20-2001	Hubbell, Jr.	
	60	US-6,363,984	04-02-2002	Morgan	

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Examiner Signature

R. C. ...

Date Considered

2/6/2007

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	10/698,318
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Filing Date	10/31/2003
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First Named Inventor	Jon Irvin Stuckey
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Art Unit	7856
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Examiner Name

Attorney Docket	P02073US2A
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Sheet	1	of	2
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
RL	14	EP 0 454 658	10-30-1991	Semperit Reifen AG		✓
RL	15	EP 0 645 264	09-23-1994	Dr. Thomas Schulze		
RL	16	EP 0 691 219	01-10-1996	Bridgestone Corporation		
RL	17	EP 0 743 200	11-02-1996	The Goodyear Tire & ...		
RL	18	JP 1-178005	07-14-1989	Bridgestone Corp.		
RL	19	JP 4-123907	04-23-1992	Ohtsu Tire & Rubber Co.		

Examiner Signature

Date Considered

2/6/2007

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/698,318
		Filing Date	10/31/2003
		First Named Inventor	Jon Irvin Stuckey
		Group Art Unit	2856
		Examiner Name	
Sheet	2	of	2
		Attorney Docket	P02073US2A

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	20	THOMAS A. WILLIAMS, Tire Tread Pattern Noise Reduction Through The Application Of Pitch Sequencing, date unknown; pages 955-959	
RG	21	Honeywell Saicor Signals, "Correlation and Probability Analysis" by Dr. I.M. Langenthal, Apr. 1970	
RG	22	"The Hilbert Transform and Application to Correlation Measurements" by J. R. Underbrink, ACS 516, Dec., 1992	
RG	23	"Tyre Noise Simulation at Computer" by F.N. Mambretti dated 1988, pages 175-182	
	24	John J. Benedetto and Michael W. Frazier, Wavelets: Mathematics and Applications, date unknown, pages 2-13	
RG	25	Brian G. Ferguson and Barry G. Quinn; Application of the short-time Fourier transform and the Wigner-Ville distribution to the acoustic localization of aircraft; Aug. 1994; pages 821-827	
RG	26	R.C. Mellin and G. Sovran; Controlling the Tonal Characteristics of the Aerodynamic Noise Generated by Fan Rotors; Mar. 1970; pages 143-154	

Examiner Signature	<i>R. G. ...</i>	Date Considered	2/6/2007
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